BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Name of the Work:-Detailed Estimate for Providing and fixing Energy efficient Lights in Ward and Parks in atturu ward no 03.

Budget Head ..... P0294 .....

Division No. ele ... Estimate No. 62 For Rs. **1500000.00**

Sl.No.	SR Page & SL No	Description of Work	Unit	Qty.	Rate .	Amount
1	27/4.3 6.1	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II.90 Watts	39	31250	Nos	1218750.00
2	108/1 7.12	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe	32	893	Nos	28576.00
3	12/2.1 2.1	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	240	7.5	Mtrs	1800.00

Administrative Sanction for Rs. 15.00 LAKHS

RUPEES FIFTEEN LAKHS ONLY

Executive Engineer

P0294 M AND R TO ELECTRICAL INSTN BMP BUILDINGS SCHOOLS. M HOMES AND OTHERS

Registered at No. Subject

Terms and conditions if any

BBMP/EE(ELE)/42/AS/45/2018-19

Dt 18-02-2019

Executive Engineer

4	108/ 17.5	Fixing halogen/ metal hallide /SVL/IL/LED flood light fittings over existing pole/ wall ceiling including clamps bolts nuts and wiring using sitable capacity wires	25	176	Nos	4400.00
5	50/6.4 1.1	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	18.02.2019	2178	Nos	19602.00
6	46/6.1 3.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	9	4044	Nos	36396.00
7	49/6.3 9.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	5	263	Mtrs	1315.00
8	34/5.1 1	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	1000	30	Mtrs	30000.00
9	34/5.9 .1	1.1 KV Pin Insulator	20	44	Nos	880.00
10	33/5.4 .2	2 Pin Crossarm 45x45x5mm -510mm	30	306	Nos	9180.00
11	33/5.4 .3	No. 8 Strain Insulator	25	14	Nos	350.00
12		total Rs				1351249.00
13		KRIDL Charges 11%				148637.39
14		Mislenious				113.61
		Total Rs				1500000.00

TECHNICALLY SANCTIONED FOR Rs. 15.00 LAKHS
Rupees FIFTEEN LAKHS ONLY
Name of the work: P0294 MANDRTO ELECTRICALS INST IN BMP BUILDING AND OTHERS
Recommended as EE( ) No. 9 9
Subject to conditions contained in BBMP/EE(ELE)/Y2/AS/AS/18-
Estimate Accepted
Dy. BBMP/EE(ELE)/42/13/19/ 2018-19
Dated 18.02.2019 Rs. 15.00 LAKHS
Executive Engineer

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 .

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE